

## CLAIMS

1. A radio video transmission system which transmits video data from a transmitter to a receiver by radio, the system being characterized by comprising:

detecting means for detecting interruption of communication of data periodically transmitted by the receiver; and

channel switching means for switching a channel through which video data is transmitted to the receiver, in response to the detection, by the detecting means, of the interruption of the communication.

2. The radio video transmission system according to Claim 1, characterized in that the data periodically transmitted by the receiver is transmitted data comprising a status of reception, by the receiver, of the video data transmitted by the transmitter, the transmitted data being periodically transmitted from the receiver to the transmitter by reception status transmitting means.

3. The radio video transmission system according to Claim 1 or 2, characterized in that the channel switching means comprises a timer that counts a channel switching time to set a power saving mode when a predetermined time has been clocked.

4. A radio video transmission system which transmits video data from a transmitter to a receiver by radio, the system being characterized by comprising:

reception status analyzing means for analyzing a status of reception, by the receiver, of video data transmitted by the transmitter; and

transmitter transmission rate switching instructing means for transmitting, to the transmitter, an instruction on a change in a rate at which the transmitter transmits video data, according to results of the analysis by the reception status analyzing means.

5. The radio video transmission system according to Claim 4, characterized in that the video data transmitted by the transmitter is video data compressed by the transmitter in association with an instruction on switching of the transmission rate transmitted by the receiver.

6. A radio video transmission system which transmits video data from a transmitter to a receiver by radio, the system being characterized by comprising:

reception status analyzing means for analyzing a status of reception, by the receiver, of video data transmitted by the transmitter; and

channel switching means for switching a channel through which video data is received from the transmitter and through which the status of reception is transmitted to the transmitter, according to results of the analysis by the reception status analyzing means.

7. The radio video transmission system according to Claim 4, 5, or 6, characterized in that the results of the analysis by the reception status analyzing means is an error rate measured during a fixed period.

8. The radio video transmission system according to Claim 4, 5, or 6, characterized in that the results of the analysis by the reception status analyzing means is a change rate of the error rate measured during the fixed period.

9. The radio video transmission system according to any of Claims 1 to 8, characterized in that at least one of the receiver and transmitter is a communication apparatus connected to AV equipment by inter-equipment communication.

10. A method for radio video transmission which transmits video data from a transmitter to a receiver by radio, the method being characterized by comprising:

a step of causing a receiver to periodically transmit video data;

a step of detecting interruption of communication of data periodically transmitted by the receiver; and

a step of switching a channel through which video data is transmitted to the receiver, when the interruption of the data communication with the receiver is detected.